

CLAIMS

1. A controller for driving a pickup of an optical disk drive, comprising:

a lens offset measuring means for measuring the amount of an offset of a lens from the center of the lens in a pickup, which offset occurs at a seek of the pickup; and

a seek position setting means for setting a seek position where a seek toward a target position of the pickup is ended, in a pickup driving means, on the basis of two parameters, the amount of lens offset measured by the lens offset measuring means and the number of seek tracks to seek.

2. A controller for driving a pickup of an optical disk drive as defined in Claim 1, wherein:

the lens offset measuring means also measures the direction of the lens offset, in addition to the amount of the lens offset from the center of the lens in the pickup, which offset occurs at the seek of the pickup; and

the seek position setting means also uses two parameters, the lens offset direction and the seek direction, as parameters for determining the seek position.

3. A controller for driving a pickup of an optical disk drive as defined in Claim 1, wherein:

the seek position setting means changes a seek position for a target position according to a rotation speed of a disk.

4. A controller for driving a pickup of an optical disk drive comprising:

a lens offset measuring means for measuring the amount and direction of an offset of a lens from the center of the lens in a pickup at seek end, and storing them; and

a seek position setting means for comparing an offset amount and an offset direction just before a seek with the offset amount and the offset direction stored in the lens offset measuring means when the number of seek tracks of a next seek is smaller than a predetermined value, thereby calculating the movement of a feed just before the seek, which feed movably supports the pickup and, on the basis of the calculation result, setting, in a pickup driving means, a seek position where the seek toward the target position of the pickup is to be ended.

5. A controller for driving a pickup of an optical disk drive as defined in Claim 4, wherein:

the seek position setting means changes the seek position for the target position according to a rotation speed of a disk.

505a37 6. A controller for driving a pickup of an optical disk drive as defined in Claim 1 or 4, wherein:

the seek position setting means sets a seek position for a target position at least one sector before the target position.

7. A controller for driving a pickup of an optical disk drive comprising:

a lens offset measuring means for measuring the amount of an offset of a lens from the center of the lens in a pickup;

and

a seek position setting means for setting, in a pickup driving means, a seek position where a seek toward a target position of the pickup is to be ended as well as a seek position at kickback so that kickback for seeking the pickup in an inverse direction of the original seek is performed until the amount of offset at seek end becomes smaller than a predetermined value.

8. A controller for driving a pickup of an optical disk drive as defined in Claim 7, wherein:

the seek position setting means employs the amount of an offset of a lens from the center of the lens in the pickup at a point of time where a read error occurs, as a value to be compared with the amount of offset at seek end.

9. A controller for driving a pickup of an optical disk drive as defined in Claim 8, wherein:

the seek position setting means has a limiter for setting a lower limit so that the value to be compared with the amount of offset at seek end does not become smaller than a predetermined value.

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